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perceptual codec

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Perceptual evaluation of speech quality (PESQ)-a new method for speech quality assessment of ... - all 6 versions »

 AW Rix, JG Beerends, MP Hollier, AP Hekstra, I ... - Acoustics, Speech, and Signal Processing, 2001. Proceedings. ..., 2001 - [ieeexplore.ieee.org](#)

 ... for use across a wider range of network conditions, including analogue connections, **codecs**, packet loss and variable delay. Known as **perceptual** evaluation of ...

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A perceptual speech-quality measure based on a psychoacoustic sound representation

 JG BEERENDS, JA STEMERDINK - Journal of the Audio Engineering Society, 1994 - [cat.inist.fr](#)

 A **perceptual** speech-quality measure based on a psychoacoustic sound representation. ... internal representation of the input and output signals of a speech **codec**. ...

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Perceptual coding of digital audio - all 26 versions »

 T Painter, A Spanias - Proceedings of the IEEE, 2000 - [ieeexplore.ieee.org](#)

... 7(b), the function specified by (6) differs from the critical bandwidth of (2).

 Of particular interest for **perceptual codec** designers, the ERB scale implies ...

 Cited by 227 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)
[PS] WLPAC a perceptual audio codec in a nutshell - all 2 versions »

 A Hrm, UK Laine, M Karjalainen - AES 102nd Conv. preprint, 1997 - [acoustics.hut.fi](#)

 Page 1. WLPAC - a **Perceptual** Audio **Codec** in a Nutshell Aki Hrm Unto K. Laine

 Matti Karjalainen [aqi@cc.hut.fi](#) Unto.Laine@hut.fi Matti ...

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Subjective evaluation of state-of-the-art 2-channel audio codecs - all 2 versions »

 GA Soulodre, T Grusec, M Lavoie, L Thibault - J. Audio Eng. Soc, 1998 - [telos-systems.com](#)

 ... per stereo pair was the only **codec** tested which met the audio quality requirement outlined in the ITU-R Recommendation BS.1115 [8] for **perceptual** audio **codecs** ...

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An objective video quality assessment system based on human perception - all 11 versions »

 AA Webster, CT Jones, MH Pinson, SD Voran, S Wolf - SPIE Human Vision, Visual Processing, and Digital Display IV, 1913 - [cs.cmu.edu](#)

 ... When the **codec** does update the information (last column), the motion appears jerky. ...

 Thus, the time history of TI quantifies the **perception** of this motion. ...

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A new perceptual quality measure for bit rate reduced audio - all 5 versions »

 T Thiede, E Kabot - Proc. 100th Conv. Aud. Eng. Soc, 1996 - [nue.tu-berlin.de](#)

 ... Those **perceptual** measurement methods detect and assess audible artefacts by comparing the output of the **codec** with the uncoded reference. ...

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[CITATION] Extending the MPEG-4 AAC codec by perceptual noise substitution

J Herre, D Schulz - Proc. 104th Audio Eng. Soc. Conv

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Performance of current perceptual objective speech quality measures

L Thorpe, W Yang - Speech Coding Proceedings, 1999 IEEE Workshop on, 1999 - ieeexplore.ieee.org

... used in **codecs** and by the failure of speech production models in general to adequately describe the listener's auditory response. **Perceptual** domain measures ...

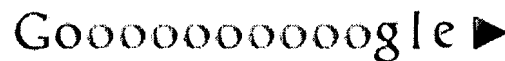
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Perceptual evaluation of speech quality (PESQ), the new ITU standard for end-to-end speech quality ... - all 5 versions »

JG Beerends, AP Hekstra, AW Rix, MP Hollier - Journal of the Audio Engineering Society,
2002 - die.unina.it

... model for **perceptual** evaluation of speech quality (PESQ) was recently standardised by the ITU-T as recommendation P.862. Unlike previous **codec** assessment models ...

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S1	16	((("5960398") or ("6144723") or ("6173317") or ("6212199") or ("6233389") or ("6370506") or ("6434253") or ("6570964"))).PN.	US-PGPUB ; USPAT; DERWENT	OR	OFF	2007/05/14 14:21
S2	44	("6173317").URPN.	USPAT	OR	ON	2007/05/14 14:26
S3	7	("4939515" "5023730" "5130864" "5319735" "5428598" "5530751" "5579120").PN.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/14 14:29
S4	25	("5960398").URPN.	USPAT	OR	ON	2007/05/14 14:31
S5	163	(transmit\$3 send\$3) near2 ((speech voice) near text)	USPAT	OR	ON	2007/05/14 14:33
S6	49	S5 and speech adj recognition	USPAT	OR	ON	2007/05/14 14:48
S7	2	("6100882").PN.	US-PGPUB ; USPAT; DERWENT	OR	OFF	2007/05/14 14:48
S8	20	("6100882").URPN.	USPAT	OR	ON	2007/05/14 15:02
S9	13	("4599612" "5677739" "5724410" "5732216" "5777997" "5956681" "5987405" "6026360" "6047252" "6119078" "6141341" "6144991" "6151576").PN.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/14 15:47
S10	17	("6151576").URPN.	USPAT	OR	ON	2007/05/14 15:53
S11	5	("5031113" "5625711" "5729637" "5799273" "6026360").PN.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/14 15:57
S12	6	("6820055").URPN.	USPAT	OR	ON	2007/05/14 17:09

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S13	16	("5146439" "5424785" "5497241" "5563804" "5732216" "5740245" "5751338" "5805153" "5845150" "5852721" "5900908" "5926787" "5950194" "5990908" "6100882" "6317777").PN.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/14 17:41
S14	35	encod\$3 near (speech audio voice) near (text)	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 15:41
S15	24	("20020001302" "20020031086" "20020089975" "20020124100" "5867495" "5963551" "6100882" "6345239" "6408272" "6430174" "6449588" "6463404" "6490550" "6507643" "6513003" "6584098" "6600733" "6601029" "6614781" "6614888" "6618369" "6621834" "6671262" "6816468").PN.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/14 17:59
S16	87	(embed\$3 combin\$3) near (speech audio voice) near (text)	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 15:42
S17	35	encod\$3 near (speech audio voice) near (text)	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 15:42
S18	85	S16 not S17	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 15:54
S19	22948	(creamer jaiswal moore).in.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 15:55
S20	81	S19 and speech.clm.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 15:56
S21	39	S20 and text.clm.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 15:56
S22	414	S19 and (speech voice audio). clm.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 16:00

EAST Search History

S23	74	S22 and text.clm.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 16:01
S24	12	S23 and translat\$3.clm.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 16:01
S25	157335	(ibm (international business machines)).as.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 16:00
S26	3895	S25 and (speech voice audio).clm.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 16:00
S27	799	S26 and text.clm.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 16:01
S28	78	S27 and translat\$3.clm.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 16:02
S29	18	S28 and transmitt\$3.clm.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 17:01
S30	20	perceptual adj codec	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 17:02
S31	11	("20020049984" "20020067812" "20030044002" "4805205" "5319735" "5519780" "5559875" "5893067" "5963217" "6201859" "6611607").PN.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 17:24
S32	1360	(inaudible audible) adj2 speech	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 17:24
S33	1008	(inaudible audible) adj speech	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 17:27
S34	968	S32 and transmit\$3	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 17:27
S35	137	S34 and codec	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 17:28

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S36	19	inaudible adj2 speech	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 17:33
S37	164	inaudible adj2 (audio voice)	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 17:33
S38	10	S37 and (remov\$3 replac\$3 chang\$3) adj2 inaudible adj2 (audio voice)	US-PGPUB ; USPAT; USOCR	OR	ON	2007/05/15 17:35
S39	2	("6504910").URPN.	USPAT	OR	ON	2007/05/16 12:25